

CLAIMS:

1. A method of transferring an immune response from a founder animal to a cloned animal comprising the steps of:
 - a) immunizing a founder animal with an immunogen;
 - b) cloning said founder animal;
 - c) obtaining lymphocytes from said immunized founder animal and transferring said lymphocytes to said cloned animal for a time and under conditions sufficient for said cloned animal to develop said immune response of said founder animal.
2. The method of claim 1 wherein said animal is selected from the group consisting of mice, rabbits, sheep, dogs, cats, horses, pigs and cows.
3. The method of claim 1 wherein said transfer of lymphocytes is by transfusion.
4. The method of claim 3 wherein said lymphocytes are selected from the group consisting of peripheral blood lymphocytes, lymph node lymphocytes, splenocytes and bone marrow cells.
5. The method of claim 4 wherein said lymphocytes are splenocytes.
6. The method of claim 1 wherein said immunogen is selected from the group consisting of an antigen, an epitope or a hapten.
7. The method of claim 1 wherein said cloning is from somatic cells or embryonic stem cells.
8. The method of claim 7 wherein cloning is achieved by transferring the nucleus from said somatic or embryonic stem cell of said founder animal to an enucleated ovum of a surrogate female, and implanting said resulting ovum into the uterus of said surrogate female during estrous.